UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF COMMERCIAL FISHERIES

CALIFORNIA FISHERY MARKET NEWS MONTHLY SUMMARY

June 1962

Part II–Fishing Information*

Sea-surface temperatures, fishing and research information of interest to the West Coast tuna-fishing industry and marine scientists

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Eastern Pacific Ocean, June 1962 2

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* Part I - "Fishery Products Production and Market Data" is issued by the Bureau of Commercial Fisheries, Market News Service, Post Office Building, San Pedro, California

SEA SURFACE TEMPERATURE CHARTS, EASTERN PACIFIC OCEAN
JUNE 1962

Acknowledgments

The following organizations and stations contributed data for the June 1962 charts:

U. S. Weather Bureau, San Diego, California
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U. S. Naval Communication Station Balboa, Fort Amador, Canal Zone
U. S. Navy Branch Hydrographic Office, Honolulu, Hawaii; Seattle, Washington; San Francisco and Wilmington, California
U. S. Coast Guard, Port Hueneme Light Station, Port Hueneme, California
U. S. Bureau of Commercial Fisheries, Biological Laboratories, Honolulu, Hawaii; La Jolla, California; Seattle, Washington
U. S. Bureau of Commercial Fisheries, Exploratory Fishing and Gear Research Base, Seattle, Washington
California Department of Fish and Game M/V Alaska and Scofield
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Oregon State University by Bruce Wyatt

Pacific Oceanographic Group, Nanaimo, British Columbia, by H. J. Hollister from observations by R. W. Collins at Quatsino Lightstation; G. J. Skinner at Cape St. James Light; B. Stuart at Amphitrite Point Light; J. M. Hartt at Langara Island Light

Scripps Institution of Oceanography, La Jolla, California by Margaret Robinson and Hans Klein

Ships Sportfisher IV, Santa Maria, Royal Pacific and Lompoc

Charts

Figure 1.--Mean sea surface temperatures (°F) derived from approximately 8000 observations. Squares show temperatures at weather-ship stations. Numerals on shore are temperatures at coastal and light stations.

Figure 2.--Deviation of sea surface temperatures (°F) from long term mean charts of H.O. 225. Hatched areas are colder than mean.

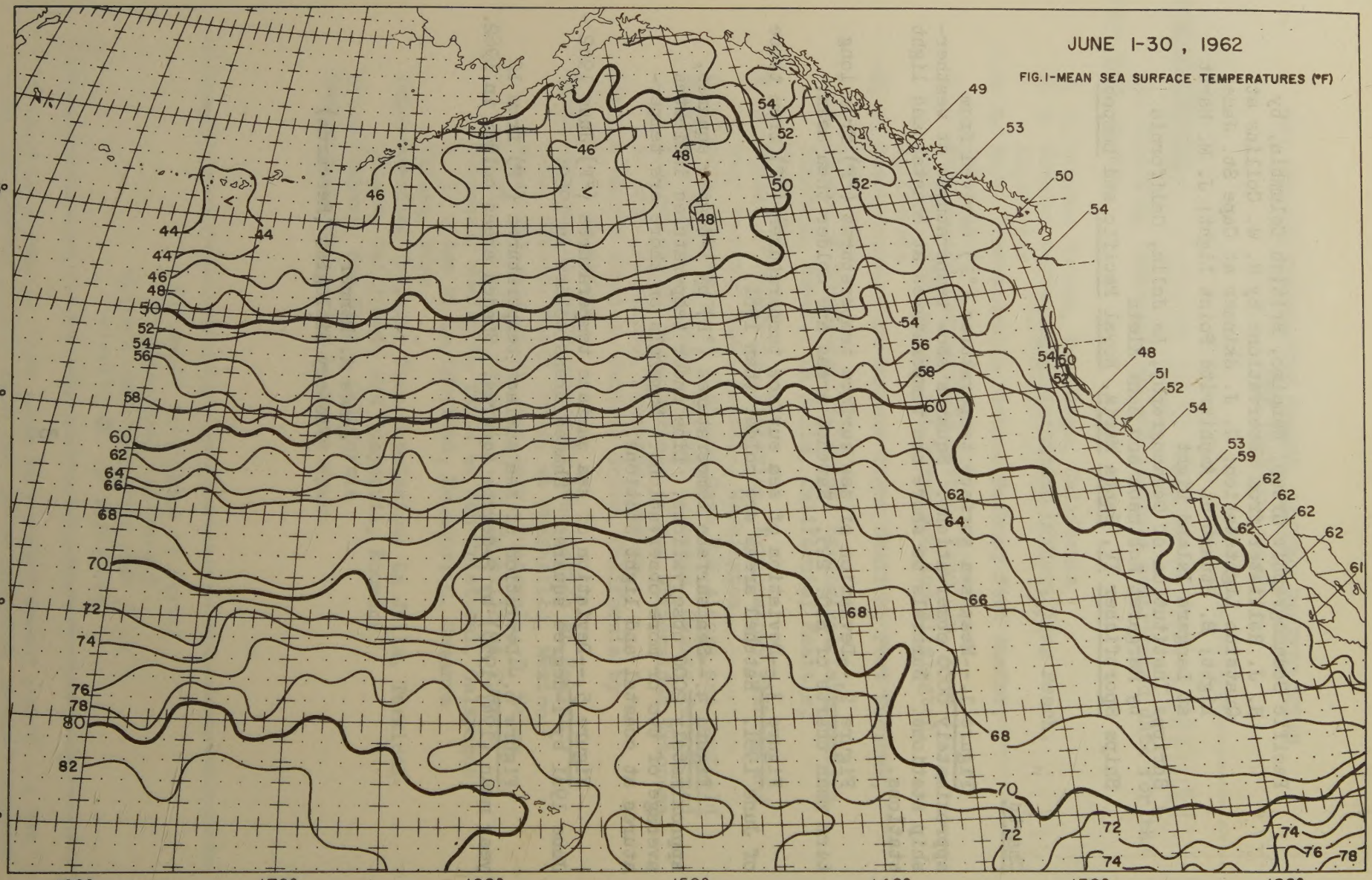
Figure 3.--Deviation of sea surface temperatures (°F) from those of June 1961. Hatched areas are colder than 1961.

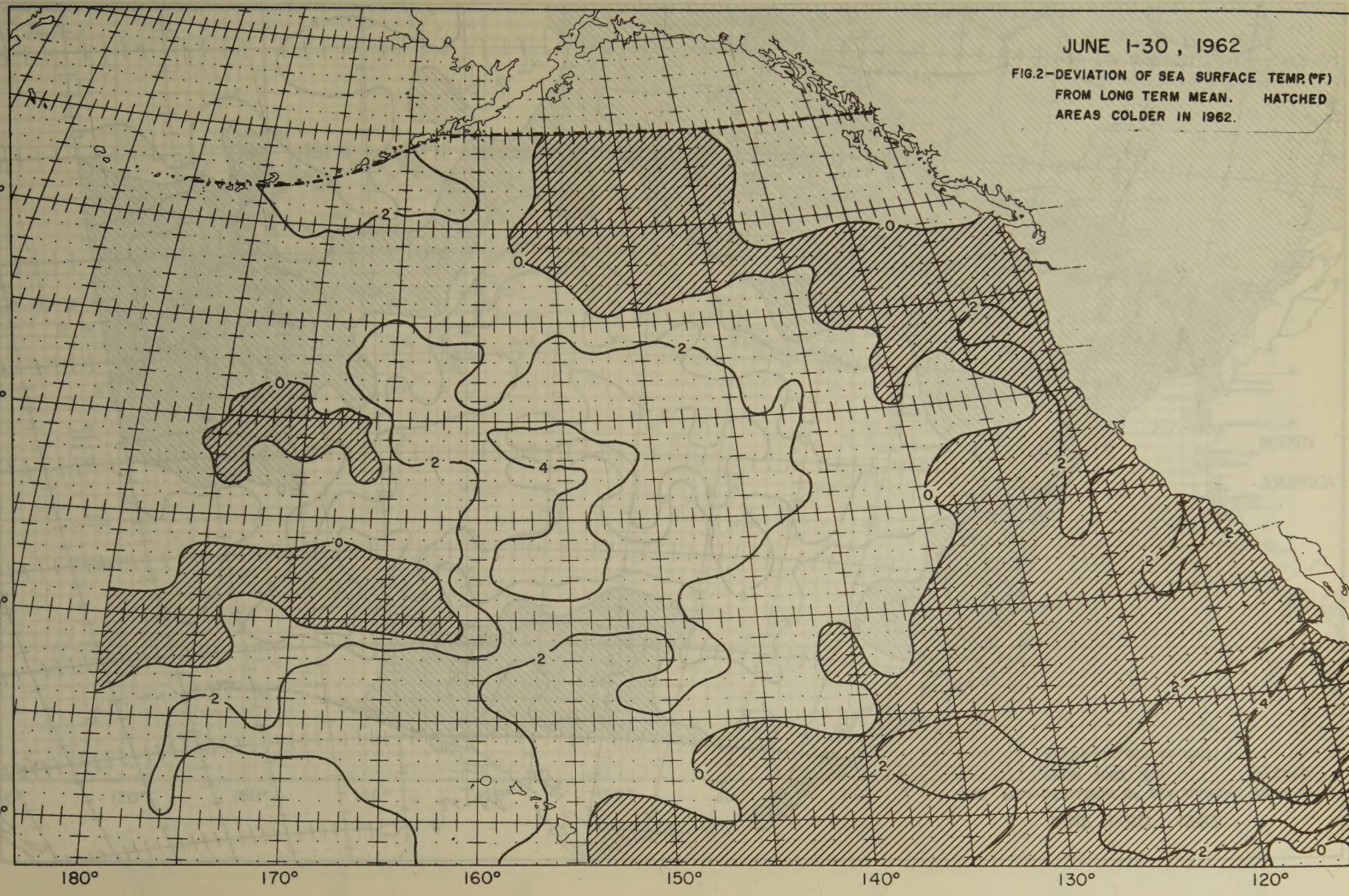
Figure 4.--Sea surface temperatures (°F) by 1-degree squares, approximately 2000 observations. Line under temperatures indicates average of two or more observations. Numerals on shore are temperatures at coastal and light stations.

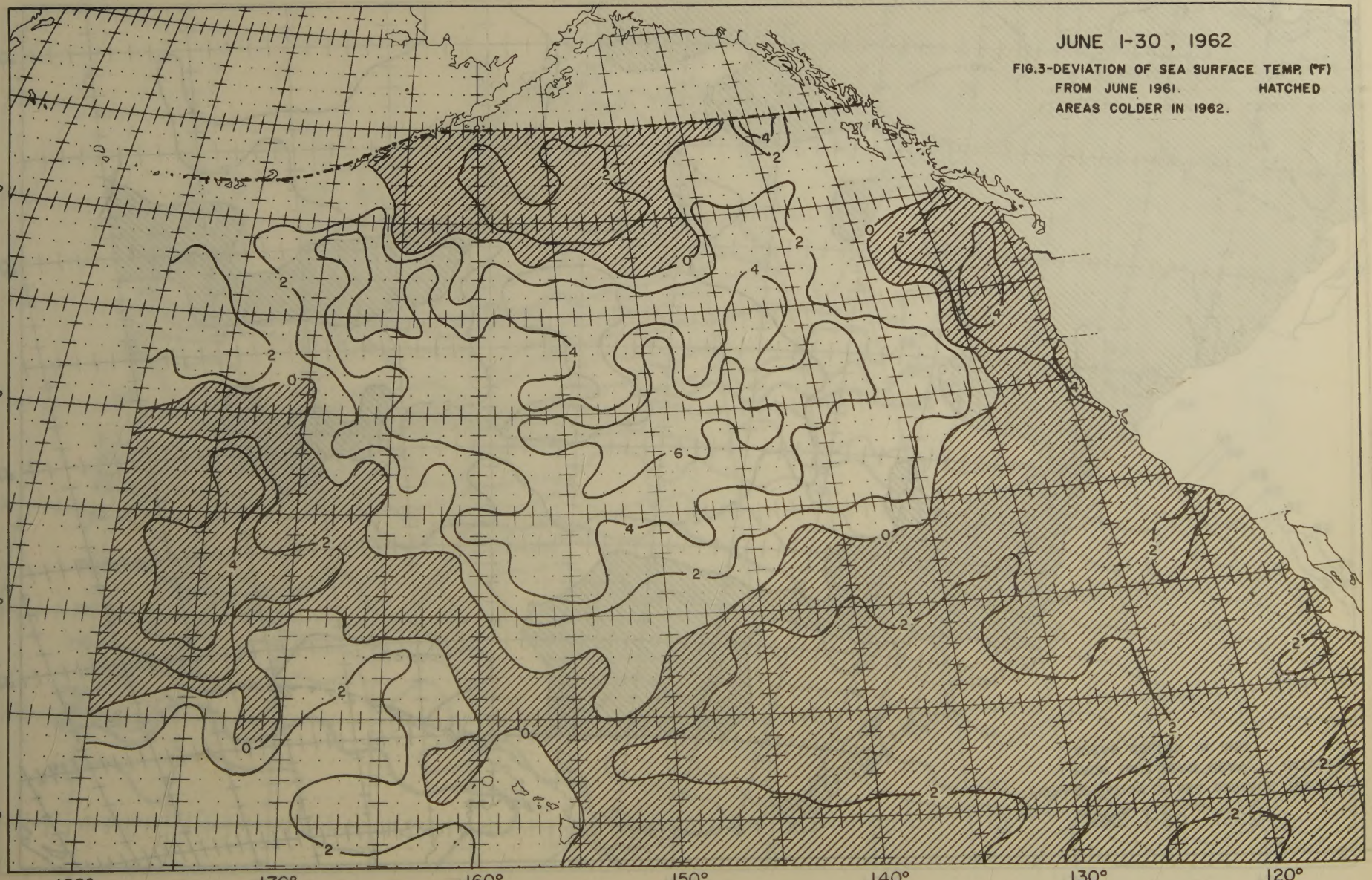
Figure 5.--Deviation of sea surface temperatures (°F) June 1962 - June 1961 by 1-degree squares. Shaded areas colder in 1962.

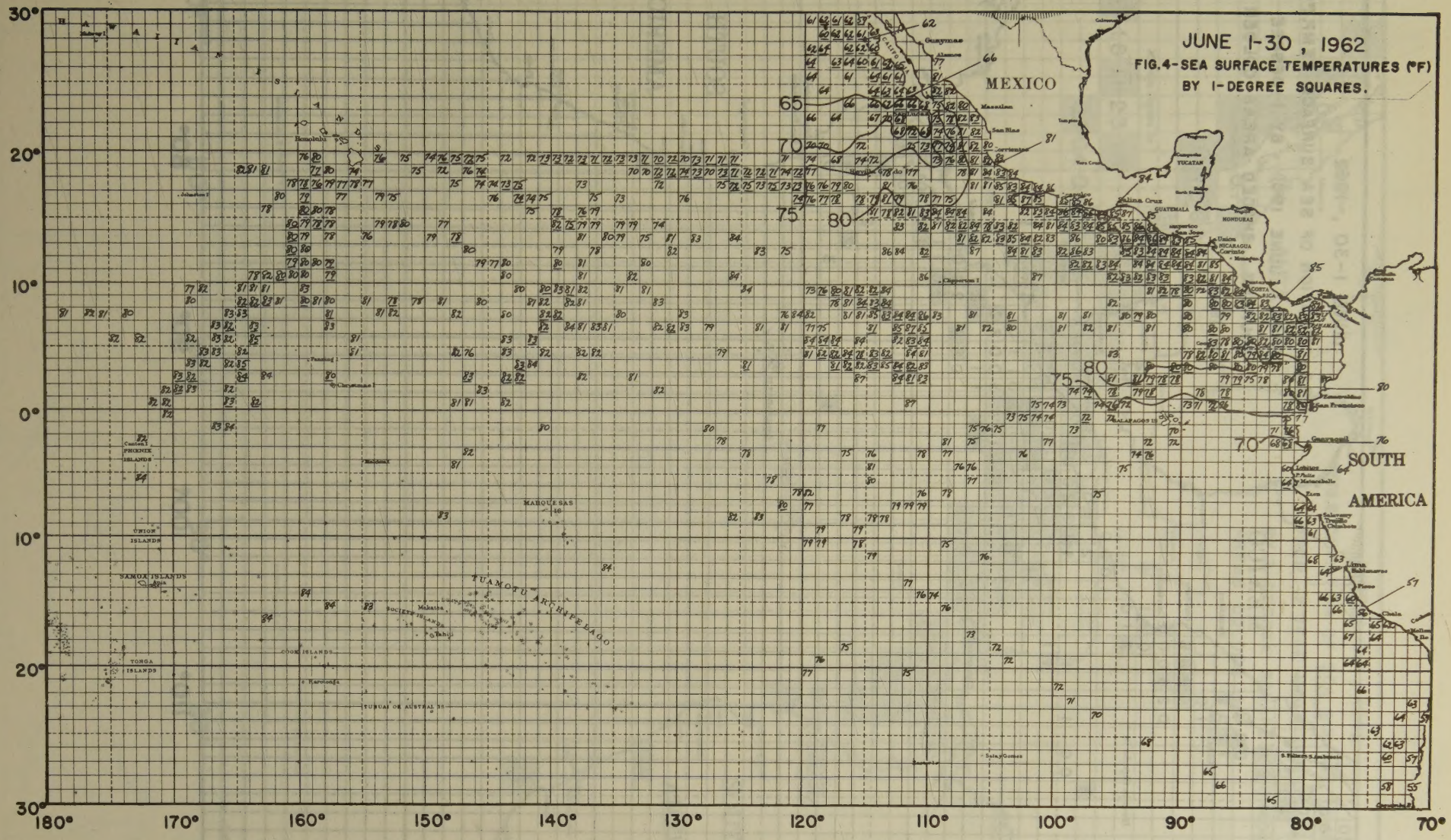
Figure 6.--Deviation of sea surface temperatures (°F) from 12 year mean (1947-1958) by 2-degree squares. Shaded areas colder in 1962.

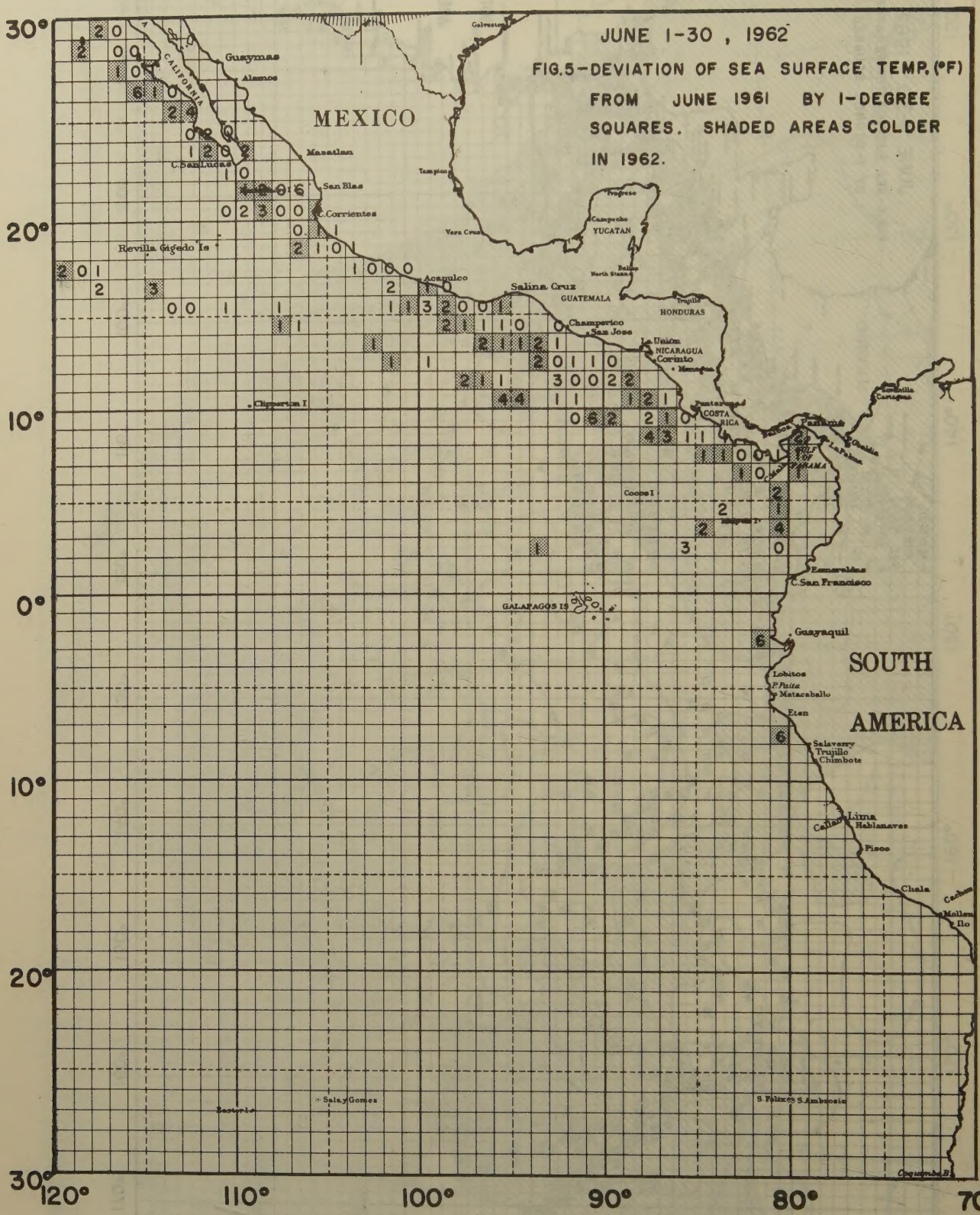
James A. Renner
Fishery Biologist (Research)

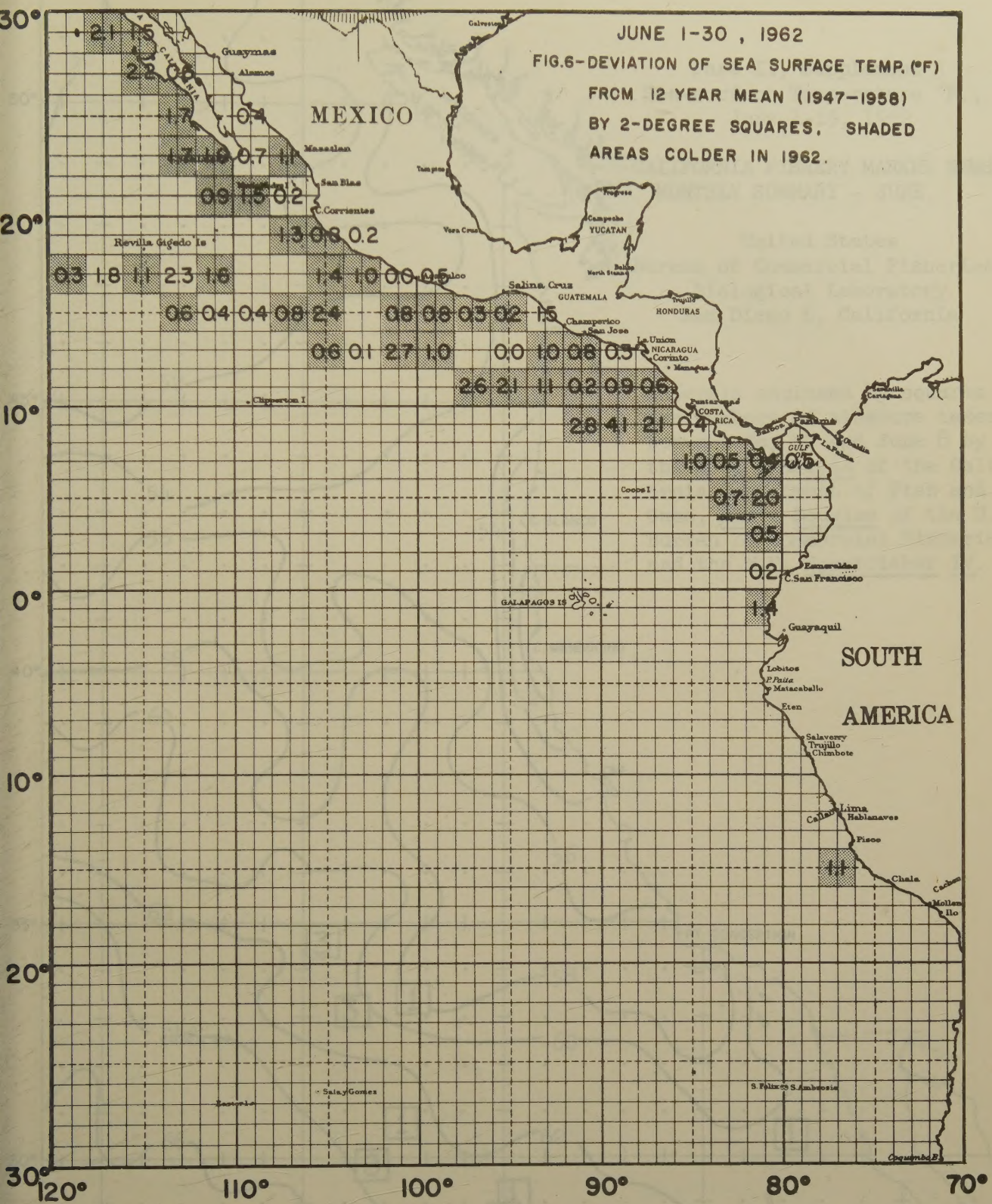

JUNE 1-30, 1962
FIG. 1-MEAN SEA SURFACE TEMPERATURES (°F)
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°

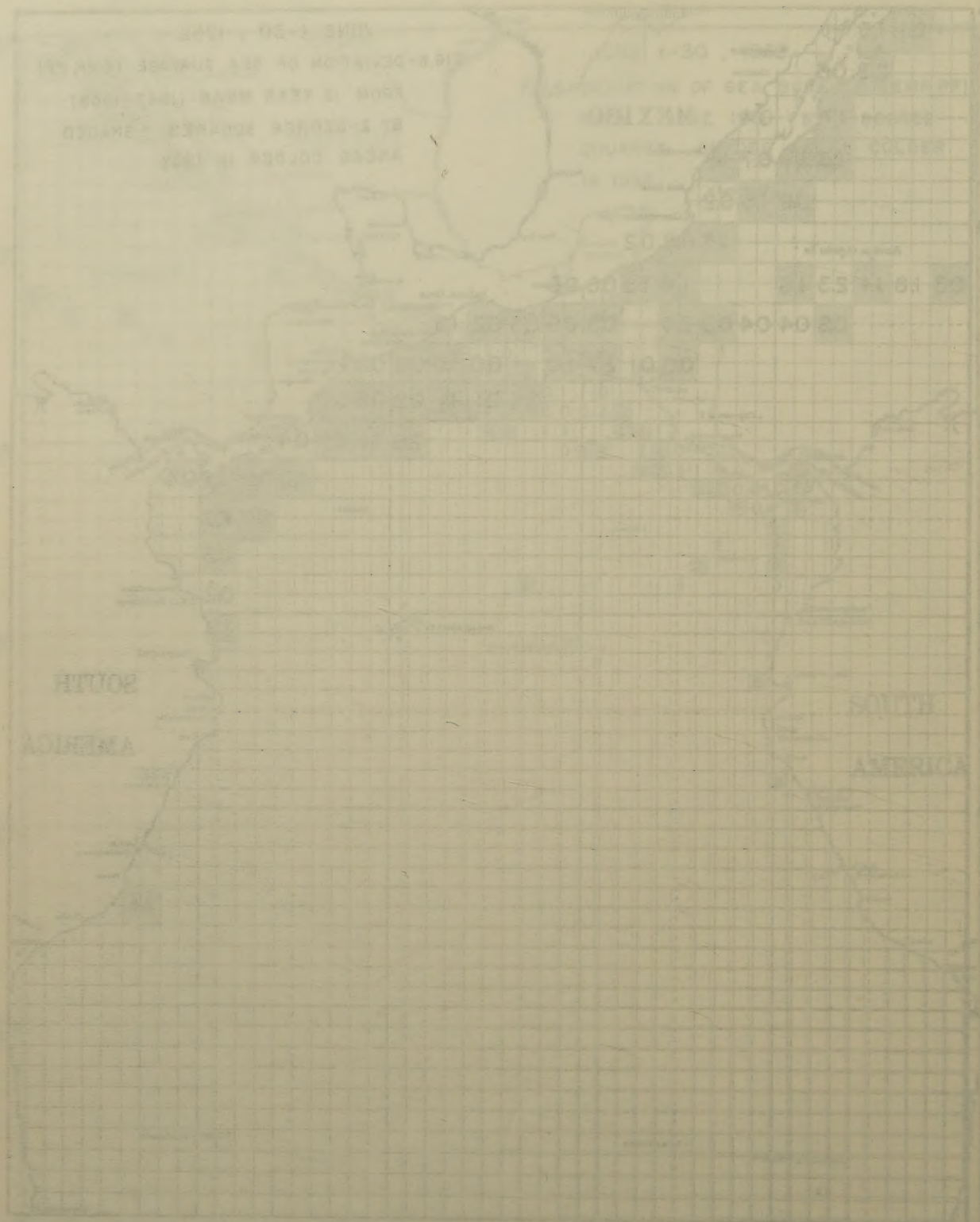

JUNE 1-30, 1962
FIG.2-DEVIATION OF SEA SURFACE TEMP.(°F) FROM LONG TERM MEAN. HATCHED AREAS COLDER IN 1962.
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°
0
2
4

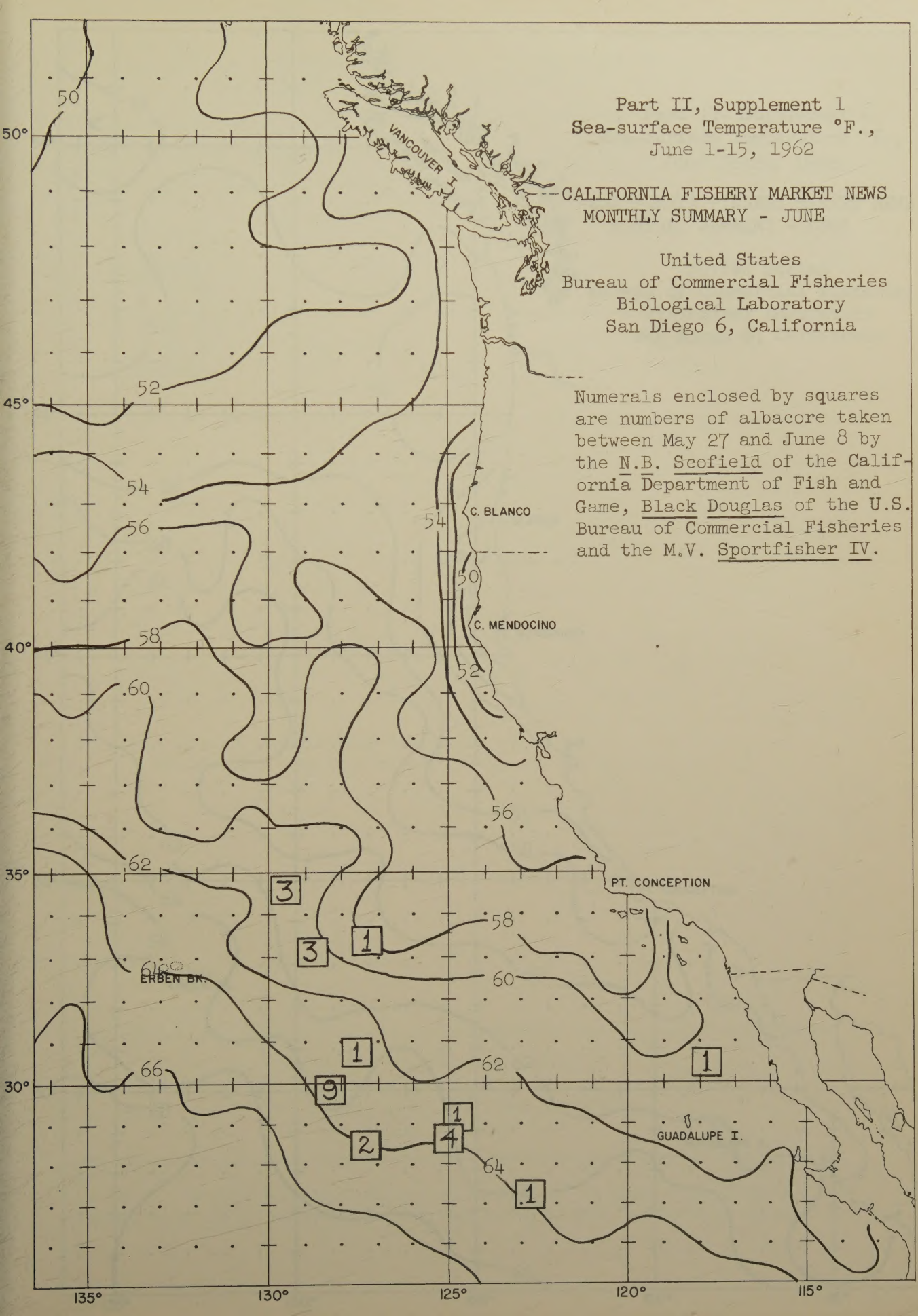

JUNE 1-30 , 1962
FIG.3-DEVIATION OF SEA SURFACE TEMP. (°F) FROM JUNE 1961. HATCHED AREAS COLDER IN 1962.
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°

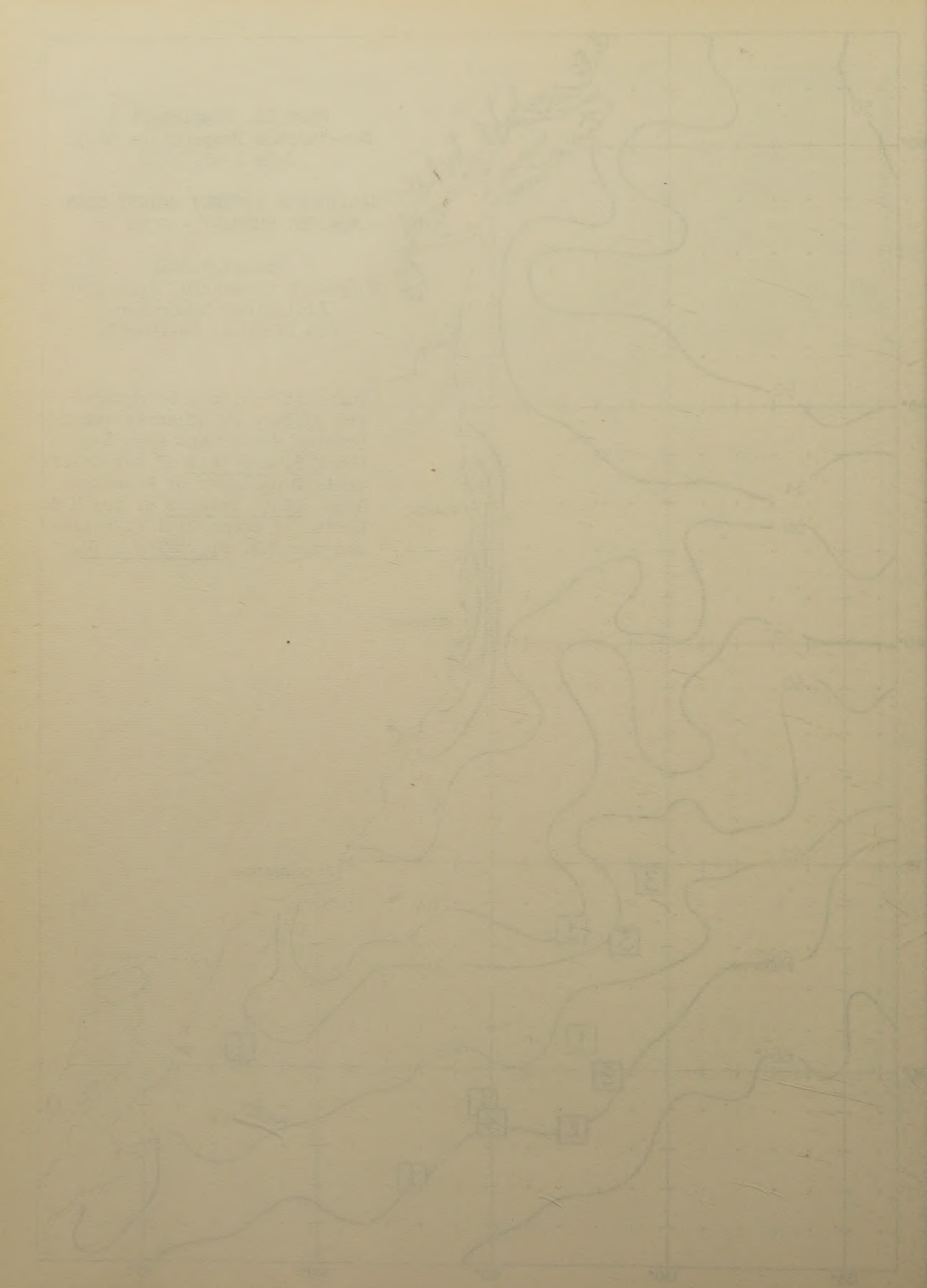

JUNE 1-30, 1962
FIG. 4 - SEA SURFACE TEMPERATURES (°F)
BY 1-DEGREE SQUARES.
MEXICO
SOUTH
AMERICA
HAWAIIAN ISLANDS
PHOENIX ISLANDS
UNION ISLANDS
SAMOA ISLANDS
TONGA ISLANDS
COOK ISLANDS
MARQUESAS
TUAMOTU ARCHIPELAGO
TUBUAI OR AUSTRAL IS.
30°
20°
10°
0°
10°
20°
30°
180°
170°
160°
150°
140°
130°
120°
110°
100°
90°
80°
70°

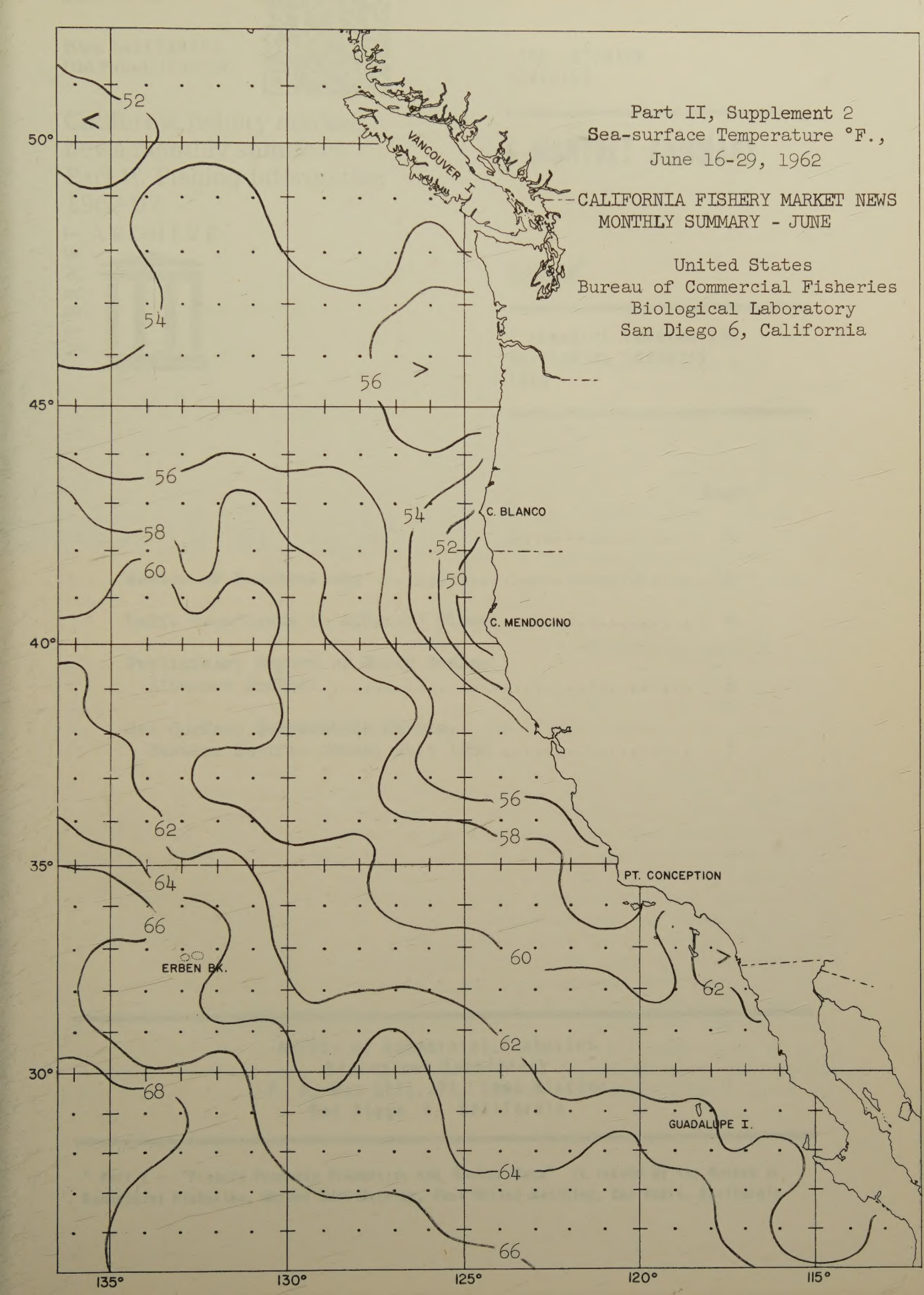

JUNE 1-30 , 1962
FIG.5-DEVIATION OF SEA SURFACE TEMP.(°F) FROM JUNE 1961 BY 1-DEGREE SQUARES. SHADED AREAS COLDER IN 1962.
MEXICO
SOUTH AMERICA
GUATEMALA
HONDURAS
NICARAGUA
COSTA RICA
YUCATAN
Guaymas
Alamos
Masatlan
San Blas
C.Corrientes
Acapulco
Salina Cruz
Champerico
San Jose
Corinto
Clipperton I
Cocos I
GALAPAGOS IS
Esmeraldas
C.San Francisco
Guayaquil
Lobitos
P.Pitta
Matacaballo
Etan
Salaverry
Trujillo
Chimbote
Lima
Callao
Hablamaves
Pisco
Chala
Salas y Gomez
S.Felixes
S.Ambrosio
30°
20°
10°
0°
10°
20°
30°
120°
110°
100°
90°
80°
70°


JUNE 1-30, 1962
FIG.6-DEVIATION OF SEA SURFACE TEMP. (°F)
FROM 12 YEAR MEAN (1947-1958)
BY 2-DEGREE SQUARES. SHADED
AREAS COLDER IN 1962.
MEXICO
SOUTH
AMERICA
GUATEMALA
HONDURAS
NICARAGUA
COSTA
RICA
YUCATAN
GALAPAGOS IS
Guaymas
Alamos
Mazatlan
San Blas
C. Corrientes
Revilla Gigedo Is
Salina Cruz
San Jose
Corinto
Chipperton I
Coops I
C. San Francisco
Guayaquil
Lobitos
P. Paita
Matacaballo
Eten
Salaverry
Trujillo
Chimbote
Lima
Hablanaves
Pisco
Chala
Mollendo
S. Felixes
S. Ambrosia
Salas y Gomez
30°
20°
10°
0°
10°
20°
30°
120°
110°
100°
90°
80°
70°




Part II, Supplement 1
Sea-surface Temperature °F.,
June 1-15, 1962
CALIFORNIA FISHERY MARKET NEWS
MONTHLY SUMMARY - JUNE
United States
Bureau of Commercial Fisheries
Biological Laboratory
San Diego 6, California
Numerals enclosed by squares are numbers of albacore taken between May 27 and June 8 by the N.B. Scofield of the California Department of Fish and Game, Black Douglas of the U.S. Bureau of Commercial Fisheries and the M.V. Sportfisher IV.
VANCOUVER I.
C. BLANCO
C. MENDOCINO
PT. CONCEPTION
ERBEN BK.
GUADALUPE I.
50
52
54
56
58
60
62
64
66
50°
45°
40°
35°
30°
135°
130°
125°
120°
115°




Part II, Supplement 2
Sea-surface Temperature °F.,
June 16-29, 1962
CALIFORNIA FISHERY MARKET NEWS
MONTHLY SUMMARY - JUNE
United States
Bureau of Commercial Fisheries
Biological Laboratory
San Diego 6, California
VANCOUVER I.
C. BLANCO
C. MENDOCINO
PT. CONCEPTION
ERBEN BK.
GUADALUPE I.
52
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66
68
50°
45°
40°
35°
30°
135°
130°
125°
120°
115°